March 9 - March 15, 2001
<P>The Terra spacecraft is operating in Nominal Mode and all five instruments are functioning well in Science Mode. All science data were successfully acquired during this period.

A Roll Maneuver (-16.512 degrees) for purposes of MODIS instrument calibration was successfully executed on DOY 072 (March 13) from 21:32:50 - 21:54:40z. A Drag Make-up Maneuver was successfully executed on DOY 073 (March 14) at 19:40:00z, with a 16-second burn of the onboard thrusters.

An MDA2BITE failure (High Gain Antenna Motor Drive Assembly upset) occurred at the start of a Solid State Recorder (SSR) playback on DOY 071 (March 12) at 15:36:00z. A contingency Tracking and Data Relay Satellite System (TDRSS) contact was scheduled for 16:20:00z, enabling MISR and MODIS replays to be completed. No data were lost.

In preparation for uploading new flight software to the MISR instrument, a dump of the instrument's PROM was made on DOY 067 (March 8). The PROM was successfully checked to ensure that the content had not degraded since the start of the mission. The PROM is needed for re-initializing the instrument prior to loading new flight software. The new flight software load is currently planned for April 18.

ANOMALIES:
A working group meeting that included representatives of the GSFC Thermal Branch was held on March 9 to discuss the ASTER shortwave infrared (SWIR) Temperature anomaly. The approach recommended by the ASTER team was to lower the Capillary Pumped Heat Transport system temperature. The GSFC team concurred but recommended changing the temperature in a series of incremental steps. Since the temperature must be changed in increments of 1.5öC, the Goddard team indicated the 5öC change suggested by ASTER must be either 4.5öC or 6öC. Terra personnel are awaiting the ASTER Team's response.

The GSFC Power Branch is working with additional consultants now on-board to fully understand the Solar Array Shunt 10 anomaly.

PLANS:

The next Master Oscillator Frequency Adjust is planned for DOY 074 (March 15).
MISR - Cal Diode (3/16)
The new MISR software will be uploaded on April 18.